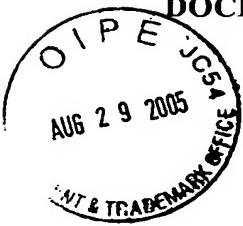


PCT

DOCKET NO.: JJPR-0177/ORT-1509 PCT

PATENT



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Steven W. Sutton and Timothy W.

Lovenberg

Application No.: 10/537,732

Filing Date: June 7, 2005

For: METHOD FOR IDENTIFYING MODULATORS OF HUMAN OREXIN-2  
RECEPTOR

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

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## INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:
  - Certification in Accordance with § 1.97(e) is attached; or
  - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).
- Copies of reference numbers **1 thru 20** listed on the attached Form PTO-1449 are enclosed herewith.
- Copies of reference numbers \_\_\_\_\_ on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

Copies of references - are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

There are no listed references which are not in the English language.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: August 22, 2005

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<b>Form PTO-1449 Modified</b>		Docket No. <b>JJPR-0177/ORT-1509PCT</b>	Application No. <b>10/537,732</b>
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Steven W. Sutton and Timothy W. Lovenberg</b>	
U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>June 7, 2005</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>1</b>	Chemelli, R.M. et al., "Narcolepsy in <i>orexin</i> Knockout Mice: Molecular Genetics of Sleep Regulation", <i>Cell</i> , 1999, 98, 437-451	
	<b>2</b>	Chen, Chiung-Tong et al., "Pressor Effects of Orexins Injected Intracisternally and to Rostral Ventrolateral Medulla of Anesthetized Rats", <i>Am. J. Physiol.</i> , 2000, 278, R692-R697	
	<b>3</b>	Cheng and Prusoff, "Relationship between the Inhibition Constant (k <sub>1</sub> ) and the Concentration of Inhibitor which Causes 50 Per Cent Inhibition (i <sub>50</sub> ) of an Enzymatic Reaction", <i>Biochemical Pharmacology</i> , 1973, 22, 3099-3108	
	<b>4</b>	Conklin, B.R. et al., "Substitution of Three Amino Acids Switches Receptor Specificity of G <sub>q</sub> α to that of G <sub>i</sub> α", <i>Nature</i> , 1993, 363, 274-276	
	<b>5</b>	Fults, D. et al., "Establishment and Characterization of a Human Primitive Neuroectodermal Tumor Cell Line from the Cerebral Hemisphere", <i>Journal of Neuropathology and Experimental of Neuropathologists</i> , 1992, 51(3), 272-280	
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	<b>7</b>	Kirchgessner, A.L. et al., "Orexin Synthesis and Response in the Gut" <i>Neuron</i> , 1999, 24, 941-951	
	<b>8</b>	Lin, L. et al., "The Sleep Disorder Canine Narcolepsy is Caused by a Mutation in the Hypocretin (Orexin) Receptor 2 Gene", <i>Cell</i> , 1999, 98, 365-376	
	<b>9</b>	Mignot, E. et al., "Complex HLA-DR and-DQ Interactions Confer Risk of Narcolepsy-Cataplexy in Three Ethnic Groups", <i>Am. J. Hum. Genet.</i> , 2001, 68, 686-699	
	<b>10</b>	Milligan, G. et al., "Chimaeric Gα Proteins" Their Potential Use in Drug Discovery", <i>Trends Pharmacol.</i> , 1999, 20, 118-124	
	<b>11</b>	Mignot, E. et al., "Narcolepsy and the HLA System", <i>New England Journal of Medicine</i> , 2001, 344, 692	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



<b>Form PTO-1449 Modified</b>		Docket No. <b>JJPR-0177/ORT-1509PCT</b>	Application No. <b>10/537,732</b>
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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>June 7, 2005</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>12</b>	Nakamura, T. et al., "Orexin-Induced Hyperlocomotion and Stereotypy are Mediated by the Dopaminergic System", <i>Brain Research</i> , 2000, 873 181-187	
	<b>13</b>	Peyron, C. et al., "Neurons Containing Hypocretin (Orexin) project to Multiple Neuronal Systems", <i>The Journal of Neuroscience</i> , 1998, 18(23), 9996-10015	
	<b>14</b>	Peyron, C. et al., "A Mutation in a Case of Early Onset Narcolepsy and a Generalized Absence of Hypocretin Peptides in Human Narcoleptic Brains" <i>Nature Medicine</i> , 2000, 6, 991-997	
	<b>15</b>	Piper, D.C. et al., "The Novel Brain Neuropeptide, Orexin-A, Modulates the Sleep-Wake Cycle of Rats", <i>European Journal of Neuroscience</i> , 2000, 12, 726-730	
	<b>16</b>	Samson, W.K. et al., "Cardiovascular Regulatory Actions of the Hypocretins in Brain" <i>Brain Research</i> , 1999, 831, 248-253	
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	<b>19</b>	van den Pol, A.N. "Hypothalamic Hypocretin (Orexin): Robust Innervation of the Spinal Cord", <i>The Journal of Neuroscience</i> , 1999, 19, 3171-3182	
	<b>20</b>	Yamanaka, A. et al., "Orexins Activate Histaminergic Neurons via the Orexin 2 Receptor", <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1237-1245	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	